

Fig. 1

Fig. 2

21	22	23	
Neural Finding Item	Right	Left	
Oculomotor Restriction	No	No	
Inferior Oculomotor Restriction	No	No	
Jaw Reflex Acceleration	No	No	
Impaired Facial Tactual Senstaion	No	No	
Impaired Facial Pain/Temperature Sensation	No	No	
Corneal Areflexia	No	No	
Exterior Oculomotor Restriction No	No	No	
Upper Facial Paralysis	No	No	
Lower Facial Paralysis	No	No	
Impaired Taste	No	No	
Lowered Pharyngeal Reflex/Swallowing Difficulty	No No	No	
Impaired Pharyngeal Sound Dysphemia		No	
Lingual Muscle Paralysis/Impaired Lingual Sound	No	No	
Dysphemia			
Sternocleidomastoid Paralysis	No	No	
Impaired Upper Limb Pain/Temperature Sensation	No	No	
Impaired Upper Limb Deep Sensation	No	No	
Upper Limb Motor Paralysis	Yes	No	
Upper Limb Tendon Reflex Acceleration No	No	No	
Impaired Trunk Pain/Temperature Sensation	No	No	
Impaired Trunk Deep Sensation	No	No	
Level Of Impaired Trunk Deep Sensation	No	No	
Impaired Lower Limb Pain/Temperature Sensation	No	No	
Impaired Lower Limb Deep Sensation	No	No	
Lower Limb Motor paralysis	No	No	
Lower Limb Tendon Reflex Acceleration No	No	No	
Babinsky's Reflex	No	No	

Fig. 3

21	22	23	
		7	
Neural Finding Item	Right	Left No No No No No No No No No	
Oculomotor Restriction	No		
Inferior Oculomotor Restriction	No		
Jaw Reflex Acceleration	No		
Impaired Facial Tactual Senstaion	No		
Impaired Facial Pain/Temperature Sensation	No		
Corneal Areflexia	No		
Exterior Oculomotor Restriction No	No	No	
Upper Facial Paralysis	No	No	
Lower Facial Paralysis	No	No	
Impaired Taste	No	No	
Lowered Pharyngeal Reflex/Swallowing Difficulty	No No No	No No No	
Impaired Pharyngeal Sound Dysphemia			
Lingual Muscle Paralysis/Impaired Lingual Sound			
Dysphemia			
Sternocleidomastoid Paralysis	No	No	
Impaired Upper Limb Pain/Temperature Sensation	No	No	
Impaired Upper Limb Deep Sensation	No	No	
Upper Limb Motor Paralysis	Yes	No	
Upper Limb Tendon Reflex Acceleration No	No	No	
Impaired Trunk Pain/Temperature Sensation	No	No	
Impaired Trunk Deep Sensation	No	No	
Level Of Impaired Trunk Deep Sensation	No	No	
Impaired Lower Limb Pain/Temperature Sensation	No	No	
Impaired Lower Limb Deep Sensation	No	No	
Lower Limb Motor paralysis	Yes	No	
Lower Limb Tendon Reflex Acceleration No	No	No	
Babinsky's Reflex	No	No	

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Fig. 4

21	22	23	
Neural Finding Item	Right	Left	
Oculomotor Restriction	No	No	
Inferior Oculomotor Restriction	No	No No No	
Jaw Reflex Acceleration	No		
Impaired Facial Tactual Senstaion	No		
Impaired Facial Pain/Temperature Sensation	No	No	
Corneal Areflexia	No	No	
Exterior Oculomotor Restriction No	No	No	
Upper Facial Paralysis	No	Yes	
Lower Facial Paralysis	No	No	
Impaired Taste	No	No	
Lowered Pharyngeal Reflex/Swallowing Difficulty	No	No No	
Impaired Pharyngeal Sound Dysphemia	No		
Lingual Muscle Paralysis/Impaired Lingual Sound	No	No	
Dysphemia			
Sternocleidomastoid Paralysis	No	No	
Impaired Upper Limb Pain/Temperature Sensation	No	No	
Impaired Upper Limb Deep Sensation	No	No	
Upper Limb Motor Paralysis	Yes	No	
Upper Limb Tendon Reflex Acceleration No	No	No	
Impaired Trunk Pain/Temperature Sensation	No	No	
Impaired Trunk Deep Sensation	No	No	
Level Of Impaired Trunk Deep Sensation	No	No	
Impaired Lower Limb Pain/Temperature Sensation	No	No	
Impaired Lower Limb Deep Sensation	No	No	
Lower Limb Motor paralysis	Yes	No	
Lower Limb Tendon Reflex Acceleration No	No	No	
Babinsky's Reflex	No	No	

Fig. 5

21	22	23	
Neural Finding Item	Right	Left	
Oculomotor Restriction	No	No	
Inferior Oculomotor Restriction	No	No	
Jaw Reflex Acceleration	No	No	
Impaired Facial Tactual Senstaion	No	No	
Impaired Facial Pain/Temperature Sensation	No	No	
Corneal Areflexia	No	No	
Exterior Oculomotor Restriction No	No	Yes	
Upper Facial Paralysis	No	Yes	
Lower Facial Paralysis	No	No	
Impaired Taste	No	No	
Lowered Pharyngeal Reflex/Swallowing Difficulty	No	No	
Impaired Pharyngeal Sound Dysphemia	No	No	
Lingual Muscle Paralysis/Impaired Lingual Sound	No	No	
Dysphemia			
Sternocleidomastoid Paralysis	No	No	
Impaired Upper Limb Pain/Temperature Sensation	No	No	
Impaired Upper Limb Deep Sensation	No	No	
Upper Limb Motor Paralysis	Yes	No	
Upper Limb Tendon Reflex Acceleration No	No	No	
Impaired Trunk Pain/Temperature Sensation	No	No	
Impaired Trunk Deep Sensation	No	No	
Level Of Impaired Trunk Deep Sensation	No	No	
Impaired Lower Limb Pain/Temperature Sensation	No	No	
Impaired Lower Limb Deep Sensation	No	No	
Lower Limb Motor paralysis	Yes	No	
Lower Limb Tendon Reflex Acceleration No	No	No	
Babinsky's Reflex	No	No	

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Fig. 6

21	22	23 	
Neural Finding Item	Right	Left	
Oculomotor Restriction	No	No	
Inferior Oculomotor Restriction	No	No No	
Jaw Reflex Acceleration	No		
Impaired Facial Tactual Senstaion	No	No	
Impaired Facial Pain/Temperature Sensation	No	No	
Corneal Areflexia	No	No	
Exterior Oculomotor Restriction No	No	Yes	
Upper Facial Paralysis	No	Yes	
Lower Facial Paralysis	No	No	
Impaired Taste	No	No	
Lowered Pharyngeal Reflex/Swallowing Difficulty	No	No	
Impaired Pharyngeal Sound Dysphemia	No	No	
Lingual Muscle Paralysis/Impaired Lingual Sound Dysphemia	No	No	
Sternocleidomastoid Paralysis	No	No	
Impaired Upper Limb Pain/Temperature Sensation	No	No	
Impaired Upper Limb Deep Sensation	No	No	
Upper Limb Motor Paralysis	Yes	No	
Upper Limb Tendon Reflex Acceleration No	Yes	No	
Impaired Trunk Pain/Temperature Sensation	No	No	
Impaired Trunk Deep Sensation	No	No	
Level Of Impaired Trunk Deep Sensation	No	No	
Impaired Lower Limb Pain/Temperature Sensation	No	No	
Impaired Lower Limb Deep Sensation	No	No	
Lower Limb Motor paralysis	Yes	No	
Lower Limb Tendon Reflex Acceleration No	No	No	
Babinsky's Reflex	No	No	

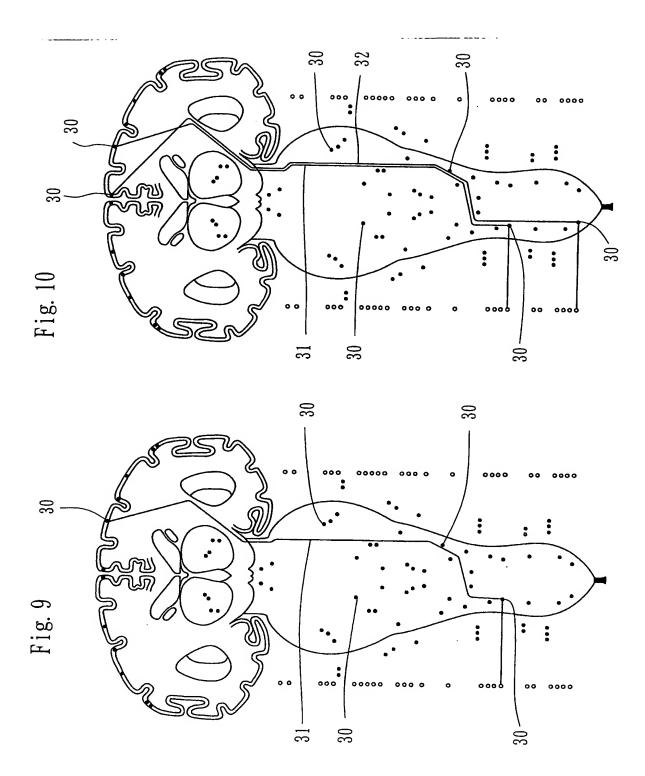
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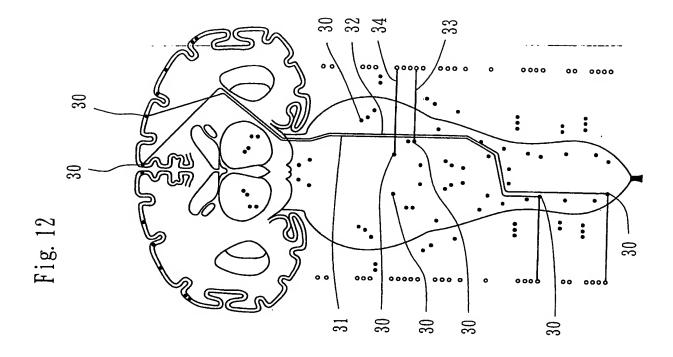
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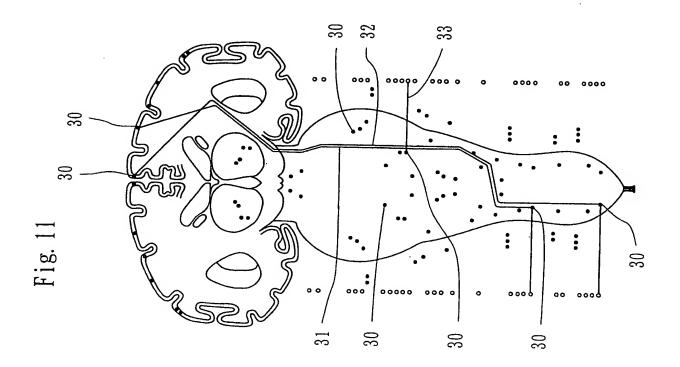
21 22 23 Neural Finding Item Right Left Oculomotor Restriction No No Inferior Oculomotor Restriction No No Jaw Reflex Acceleration No No No No Impaired Facial Tactual Senstaion No Impaired Facial Pain/Temperature Sensation No Corneal Areflexia No No **Exterior Oculomotor Restriction No** No Yes Yes Upper Facial Paralysis No Lower Facial Paralysis No No **Impaired Taste** No No Lowered Pharyngeal Reflex/Swallowing Difficulty No No Impaired Pharyngeal Sound Dysphemia No No Lingual Muscle Paralysis/Impaired Lingual Sound No No Dysphemia Sternocleidomastoid Paralysis No No Impaired Upper Limb Pain/Temperature Sensation No No Impaired Upper Limb Deep Sensation No No Upper Limb Motor Paralysis Yes No Upper Limb Tendon Reflex Acceleration No Yes No Impaired Trunk Pain/Temperature Sensation No No Impaired Trunk Deep Sensation No No Level Of Impaired Trunk Deep Sensation No No No No Impaired Lower Limb Pain/Temperature Sensation Impaired Lower Limb Deep Sensation No No Yes No Lower Limb Motor paralysis Yes Lower Limb Tendon Reflex Acceleration No No No Babinsky's Reflex No

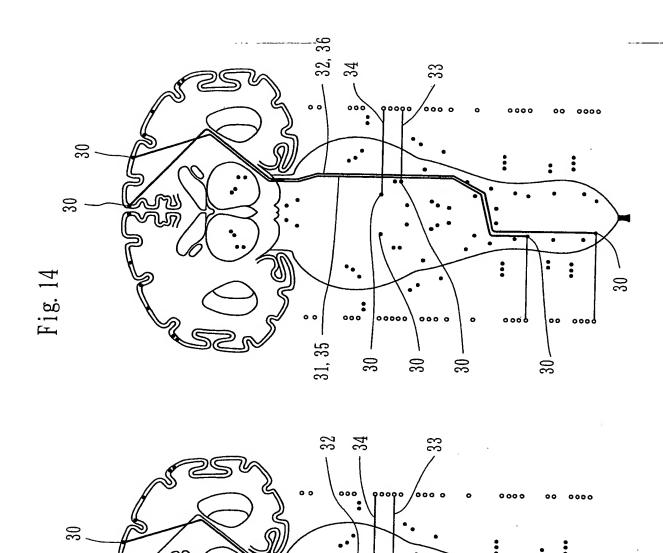
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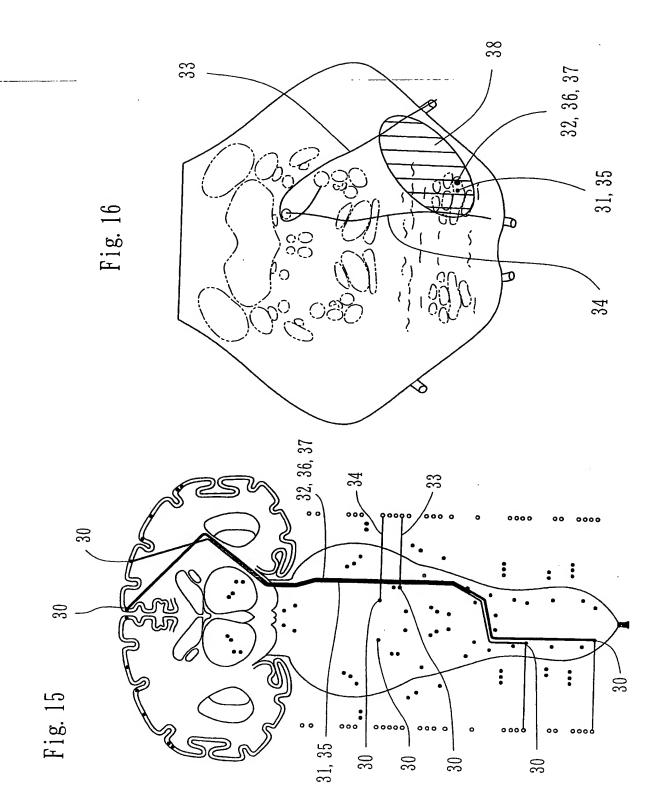
21	22	23	
Neural Finding Item	Right	Left	
Oculomotor Restriction	No	No	
Inferior Oculomotor Restriction	No	No	
Jaw Reflex Acceleration	No	No .	
Impaired Facial Tactual Senstaion	No	No	
Impaired Facial Pain/Temperature Sensation	No	No	
Corneal Areflexia	No	No	
Exterior Oculomotor Restriction No	No	Yes	
Upper Facial Paralysis	No	Yes	
Lower Facial Paralysis	No	No	
Impaired Taste	No	No	
Lowered Pharyngeal Reflex/Swallowing Difficulty	No	No	
Impaired Pharyngeal Sound Dysphemia	No	No	
Lingual Muscle Paralysis/Impaired Lingual Sound	No	No	
Dysphemia			
Sternocleidomastoid Paralysis	No	No	
Impaired Upper Limb Pain/Temperature Sensation	No	No .	
Impaired Upper Limb Deep Sensation	No	No	
Upper Limb Motor Paralysis	Yes	No	
Upper Limb Tendon Reflex Acceleration No	Yes	No	
Impaired Trunk Pain/Temperature Sensation	No	No	
Impaired Trunk Deep Sensation	No	No	
Level Of Impaired Trunk Deep Sensation	No	No	
Impaired Lower Limb Pain/Temperature Sensation	No	No	
Impaired Lower Limb Deep Sensation	No	No	
Lower Limb Motor paralysis	Yes	No	
Lower Limb Tendon Reflex Acceleration No	Yes	No	
Babinsky's Reflex	Yes	No	

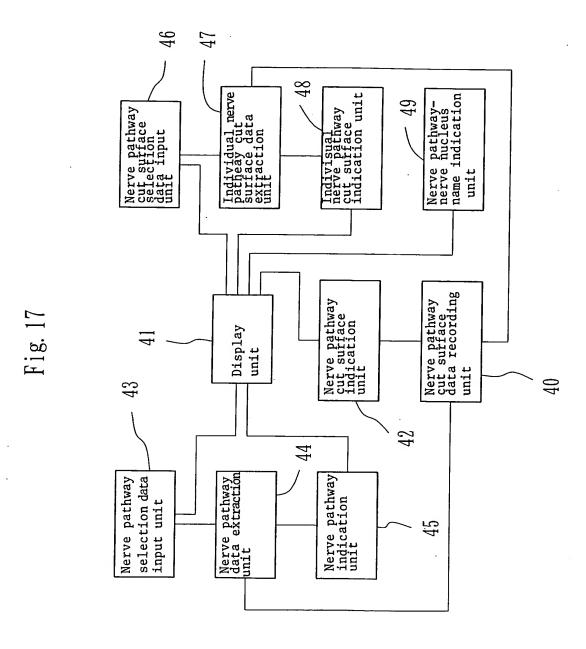






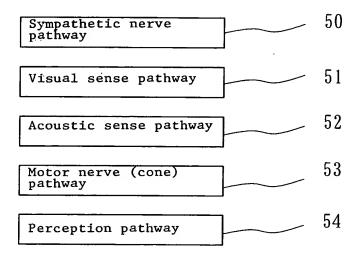






_Fig. 18

Nerve pathway



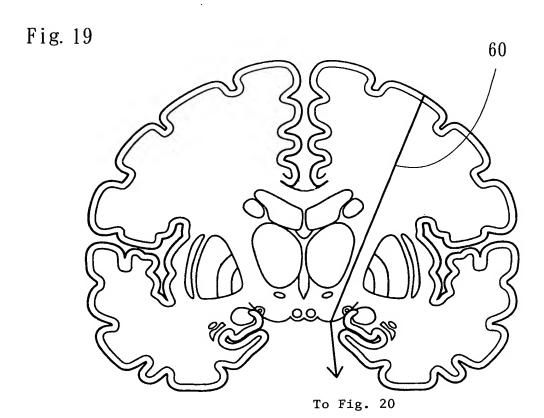


Fig. 20

Fig. 21

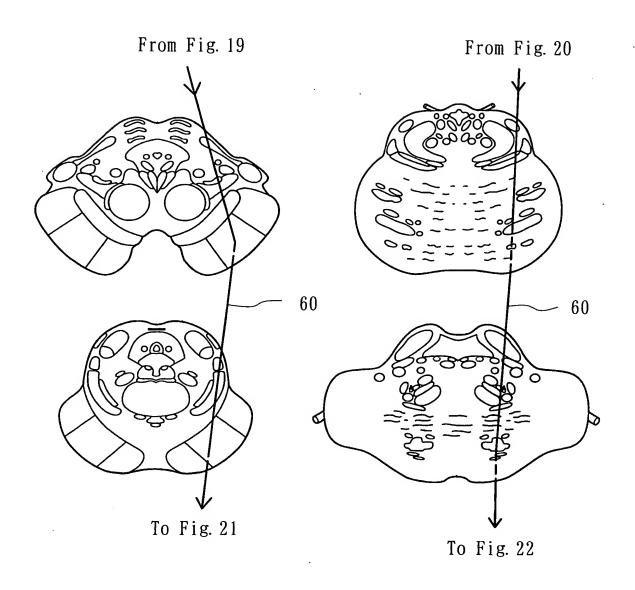
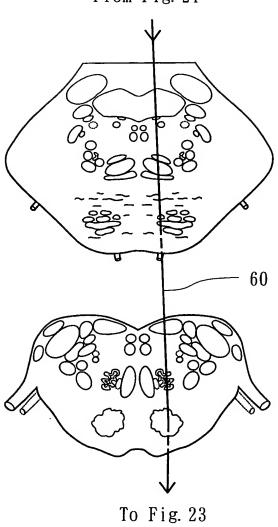


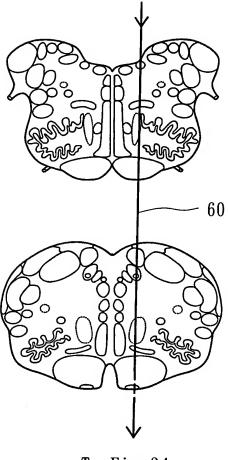
Fig. 22

Fig. 23

From Fig. 21



From Fig. 22

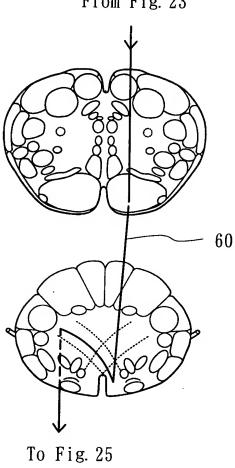


To Fig. 24

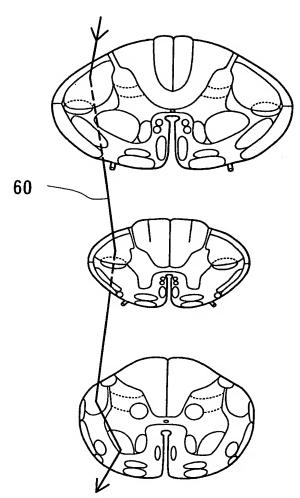
Fig. 24

Fig. 25

From Fig. 23



From Fig. 24



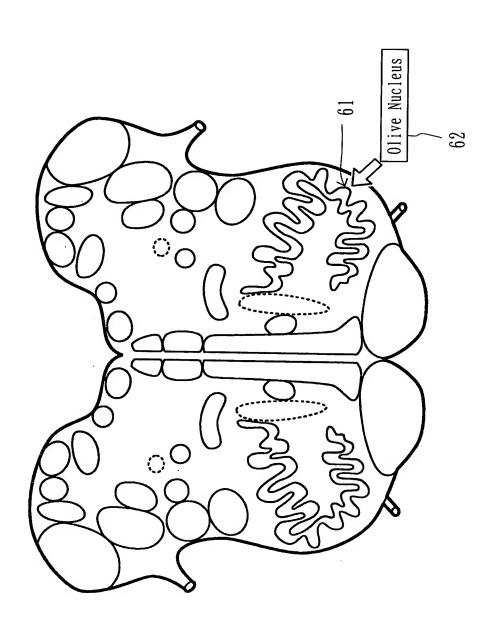


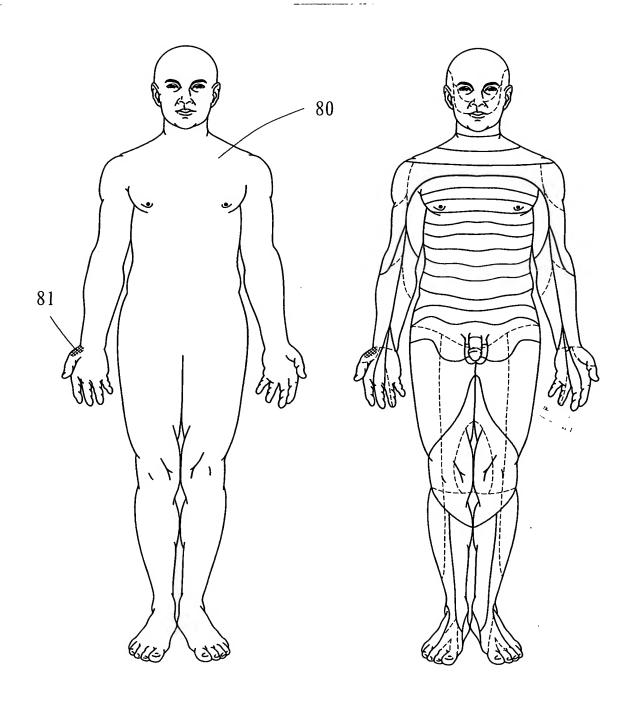
Fig. 26

Fig. 27

71	72	73_	74	75
			70	
Articulation	Movement	Depression	Name of muscle	Electro-
		of muscle		myogram
		force		aberrance
			Deltoideus muscle	No
Shoulder joint	Flexion	No	Coracobrachialis	No
			muscle	
	Stretch	No	Teres major muscle	No
			Broadest muscle of back	No
	Excycloduc-	No	Teres minor muscle	No
	tion			
			Triceps muscle of arm	No
	Stretch	No	Musculi anconeus	No
Elbow joint		Biceps muscle of arm		No
	Flexion	Yes	Yes Brachial muscle	
			Musculi brachioradialis	Yes
Antebrachium	Supination	Yes	Antebrachium musculi	Yes
			spinator	
			Musculi flexor carpi	No
	Flexion	No	radialis	
			Musculi flexor carpi ulnalis	No
			Musculi extensor carpi	Yes
			radialis longus	
Hand joint	Stretch	Yes	Musculi extensor carpi	Yes
			radialis brevis	
			Musculi extensor carpi	Yes
			ulnaris	
-	-	-	•	-
-	-	-	-	-
<u>-</u>	-	. -	-	-

Fig. 28

Fig. 29



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Fig. 30

